Index

(R) indicates Book Review

3-D Seismic Interpretation (R), 245
The 22nd Edition of the Manual of Mineral Science (R), 743

Abdel-Rahman, A.-F. M. & Nassar, P. E. Cenozoic volcanism in the Middle East: petrogenesis of alkali basalts from northern Lebanon, 545
Absolute age, 233
Adana Basin, 379
Aeolian Islands, 525
Africa, 41; (R) 749
Albian, 401
Algeria, 573
Alkali basalts, 545
Al-Kindi, S., Tiley, R. & White, N. Linking Paleogene denudation and magmatic underplating beneath the British Isles, 345
Ameriosinian, 661
Ammonoids, 115
Amphigraptus divergens, 735
Anatexis, 525
Anatolia, 583
Andesite, 1
Anoxia, 173
Antarctica, 649
Anti-Atlas, 675
Appalachians, 125
Ar isotopes, 1, 161, 329
Ar–Ar, 161, 329
Aracena Spain, 687
Archaean (R), 394
Archaeological geology (R), 391
Ashgill Series, 735
An Atlas of Carboniferous Basin Evolution in Northern England (R), 99
Aurelt, M. & Bádenas, B. Facies and depositional sequence evolution controlled by high-frequency sea-level changes in a shallow-water carbonate ramp (Late Kimmeridgian, NE Spain), 717
Aureole, 417
Austria, 173

Bádenas, B. & Aurell, M. Facies and depositional sequence evolution controlled by high-frequency sea-level changes in a shallow-water carbonate ramp (late Kimmeridgian, NE Spain), 717
Baltica, 505
Barale, G., Philippe, M., Suteethorn, V., Lutat, P., Buffetaut, E., Cavin, L. & Cuny, G. Stratigraphical and palaeobiogeographical significance of fossil wood from the Mesozoic Khorat Group of Thailand, 319
Barents Sea, 141
Barrenechea, J. F., Crespo, E., Luque, J., Fernández-Rodríguez, C., Rodas, M., Díaz-Azpiroz, M. & Fernández-Caliani, J. C. Significance of graphite occurrences in the Aracena Metamorphic Belt, Iberian Massif, 687
Bartov, Y. & Sagy, A. Late Pleistocene extension and strike-slip in the Dead Sea Basin, 565
Basalts, 41, 81, 455
Bashilov, V., Kuprin, V., Natapov, L., Macdonald, D., O'Leary, N., White, N. & Tull, S. Evolution of the Timan–Pechora and South Barents Sea basins, 141
Basic Geological Mapping, 4th ed. (R), 250
Basins, 141, 565; (R) 99, 741
Bastida, F., Blanco-Ferrera, S., García-López, S., Sanz-López, J. & Valín, M. L. Transition from diagenesis to metamorphism in a calcareous tectonic unit of the Iberian Variscan belt (central massif of the Picos de Europa, NW Spain), 617
Beckinsale, R. D., Rice, A. H. N., Ntaflos, T. & Gayer, R. A. Metadolerite geochronology and dolerite geochemistry from East Finnmark, northern Scandinavian Caledonides, 301
Belgium, 353
Belka, Z., Lardeux, H., Meyer-Berthaud, B., Rücklin, M. & Soria, A. Frasnian plants from the Dra Valley, southern Anti-Atlas, Morocco, 675
Bimodal association, 209
Biostratigraphy, 287, 379
Blanco-Ferrera, S., García-López, S., Sanz-López, J., Valín, M. L. & Bastida, F. Transition from diagenesis to metamorphism in a calcareous tectonic unit of the Iberian Variscan belt (central massif of the Picos de Europa, NW Spain), 617
Bolivia, 287
Bombardiere, L., Petrizzo, M. R., Damsté, J. S. S., Schouten, S., Erba, E., Premoli Silva, I., Farrimond, P., Tyson, R. V., Jenkyns, H. C., Tsikos, H., Karakitsios, V., Breugel, Y. van & Walsworth-Bell, B. Organic-carbon deposition in the Cretaceous of the Ionian Basin, NW Greece: the Paquier Event (OAE 1b) revisited, 401
Bond, D., Wignall, P. B. & Racki, G. Extent and duration of marine anoxia during the Frasnian–Famennian (Late Devonian) mass extinction in Poland, Germany, Austria and France, 173
Bozkurt, E. & Sözbilir, H. Tectonic evolution of the Gediz Graben: field evidence for an episodic, two-stage extension in western Turkey, 63
Brazil, 233
Breugel, Y. van, Walsworth-Bell, B., Bombardiere, L., Petrizzo, M. R., Damsté, J. S. S., Schouten, S., Erba, E., Premoli Silva, I., Farrimond, P., Tyson, R. V., Jenkyns, H. C., Tsikos, H. & Karakitsios, V. Organic-carbon deposition in the Cretaceous of the Ionian Basin, NW Greece: the Paquier Event (OAE 1b) revisited, 401
British Isles, 345; (R) 99, 102, 105, 106, 108, 247, 252, 393, 397, 542, 743
British Middle Jurassic Stratigraphy (R), 397
British Upper Cretaceous Stratigraphy (R), 102
Brown, F. H., McDougall, I., Gathogo, P. N. & Haileab, B. Gombe Group basalts and initiation of Pliocene deposition in the Turkana depression, northern Kenya and southern Ethiopia, 41
Buffetaut, E., Cavin, L., Cuny, G., Barale, G., Philippe, M., Suteethorn, V. & Lutat, P. Stratigraphical and palaeobiogeographical significance of fossil wood from the Mesozoic Khorat Group of Thailand, 319
Burns, I. M., Fowler, M. B., Strachan, R. A. & Greenwood, P. B. Geochemistry, petrogenesis and structural setting of the meta-igneous Strathy Complex: a unique basement block within the Scottish Caledonides?, 209

C isotopes, 401
CAI, 617
Caledonide orogenic belt, 209, 301, 329

Carbonate platforms, 717
Carbonate sediments (R), 101
Carboniferous (R), 99, 542
Carboniferous and Permian Igneous Rocks of Great Britain North of the Variscan Front (R), 542
Carnevale, G. The first fossil ribbonfish (Teleostei, Lampridiformes, Trachipteridae), 573
Cavin, L., Cuny, G., Barale, G., Philippe, M., Suteethorn, V., Lutat, P. & Buffetaut, E. Stratigraphical and palaeobiogeographical significance of fossil wood from the Mesozoic Khorat Group of Thailand, 319
Celebrating the Life and Times of Hugh Miller. Scotland in the Early 19th Century. Ethnography and Folklore, Geology and Natural History, Church and Society (R), 252
Cements (R), 103
Chemistry, environmental (R), 748
Chew, D. M., Cooper, M. J., Taylor, R. N., Hannigan, R. E., Draut, A. E. & Clift, P. D. Laurentian crustal recycling in the Ordovician Grampian Orogeny: Nd isotopic evidence from western Ireland, 195
China, 55, 225, 661; (R) 105
Cladistics, 115
Clay Mineral Cements in Sandstones (R), 103
Clays, 233; (R) 103
Clift, P. D., Chew, D. M., Cooper, M. J., Taylor, R. N., Hannigan, R. E. & Draut, A. E. Laurentian crustal recycling in the Ordovician Grampian Orogeny: Nd isotopic evidence from western Ireland, 195
Clinopyroxene, 1
Coish, R. A., Tomascak, P. B. & West, D. P., Jr. Tectonic setting and regional correlation of Ordovician metavolcanic rocks of the Casco Bay Group, Maine: evidence from trace element and isotope geochemistry, 125
Confined Turbidite Systems (R), 741
Conodonts, 505, 617, 699
Conservation (R), 749
Continental crust, 195; extension, 63; lithosphere, 55; rifts (R), 395
Cooper, M. J., Taylor, R. N., Hannigan, R. E., Draut, A. E., Clift, P. D. & Chew, D. M. Laurentian crustal recycling in the Ordovician Grampian Orogeny: Nd isotopic evidence from western Ireland, 195
Cordani, U. G., Mizusaki, A. M., Kawashita, K. & Thomaz-Filho, A. Rb–Sr systematics of Holocene pelitic sediments and their bearing on whole-rock dating, 233
Correlation, 505
Crater, impact (R), 246, 745
Cratering in Marine Environments and on Ice (R), 745
Crespo, E., Luque, J., Fernández-Rodríguez, C., Rodas, M., Díaz-Azpiroz, M., Fernández-Caliani, J. C. & Barrenechea, J. F. Significance of graphite occurrences in the Aracena Metamorphic Belt, Iberian Massif, 687
Cretaceous, 319, 401, 429, 583; (R) 102, 389
Cretaceous–Tertiary boundary, 429
The Cretaceous World (R), 389
Cuny, G., Barale, G., Philippe, M., Suteethorn, V., Lutat, P., Buffetaut, E. & Cavin, L. Stratigraphical and palaeobiogeographical significance of fossil wood from the Mesozoic Khorat Group of Thailand, 319

Dahlqvist, P. Late Ordovician (Hirnantian) depositional pattern and sea-level change in shallow marine to shoreface cycles in central Sweden, 605
Damsté, J. S. S., Schouten, S., Erba, E., Premoli Silva, I., Farrimond, P., Tyson, R. V., Jenkyns, H. C., Tsikos, H., Karakitsios, V., Breugel, Y. van, Walsworth-Bell, B., Bombardiere, L. & Petrizzo, M. R. Organic-carbon deposition in the Cretaceous of the Ionian Basin, NW Greece: the Paquier Event (OAE 1b) revisited, 401
Darabi, M. H. & Piper, J. D. A. Palaeomagnetism of the (Late Mesoproterozoic) Stoer Group, northwest Scotland: implications for the diagenesis, age and relationship to the Grenville Orogeny, 15
De Schepper, S., Louwye, S. & Head, M. J. Dinoflagellate cyst stratigraphy and palaeoecology of the Pliocene in northern Belgium, southern North Sea Basin, 353
Dead Sea, 565
Deep-Water Sedimentation in the Alpine Basin of SE France (R), 741
Deformation, 441
Deformation belts (R), 645
Delaloye, M., Parlak, O., Höck, V. & Kozlu, H. Oceanic crust generation in an island arc tectonic setting, SE Anatolian orogenic belt (Turkey), 583
Denmark (R), 739
Denudation, 345
Detachment faults, 63
Detachment zone, 441
Detrital minerals, 161
Devon (R), 743
Devonian, 329, 675
Diagenesis, 15, 617
Díaz-Azpiroz, M., Fernández-Caliani, J. C., Barrenechea, J. F., Crespo, E., Luque, J., Fernández-Rodríguez, C. & Rodas, M. Significance of graphite occurrences in the Aracena Metamorphic Belt, Iberian Massif, 687
Dinoflagellate cysts, 353
Dolerite, 301
Dorset (R), 743
Draut, A. E., Clift, P. D., Chew, D. M., Cooper, M. J., Taylor, R. N. & Hannigan, R. E. Laurentian crustal recycling in the Ordovician Grampian Orogeny: Nd isotopic evidence from western Ireland, 195
Ductile deformation, 329

The Early Earth: Physical, Chemical and Biological Development (R), 394
Earth, Water, Ice and Fire: Two Hundred Years of Geological Research in the English Lake District (R), 108
Earthquake (R), 744
Eastern Mediterranean, 257
Egenhoff, S. O., Maletz, J. & Erdtmann, B.-D. Lower Ordovician graptolite biozonation and lithofacies of southern Bolivia: relevance for palaeogeographic interpretations, 287
Egypt (R), 396
Eide, E. A., Roberts, D., Osmundsen, P. T. & Kendrick, M. A. The Middle to Late Devonian Høybakken detachment, central Norway: ^{40}Ar–^{39}Ar evidence for prolonged late/post-Scandian extension and uplift, 329
Eire, 195, 345; (R) 105
Elvevold, S. & Engvik, A. K. Pan-African extension and near-isothermal exhumation of a granulite facies terrain, Dronning Maud Land, Antarctica, 649
Encyclopedia (R), 742
Encyclopedia of Sediments and Sedimentary Rocks (R), 742
England, 345, 471, 735; (R) 99, 743
Engvik, A. K. & Elvevold, S. Pan-African extension and near-isothermal exhumation of a granulite facies terrain, Dronning Maud Land, Antarctica, 649
Environmental chemistry (R), 748

Erba, E., Premoli Silva, I., Farrimond, P., Tyson, R. V., Jenkyns, H. C., Tsikos, H., Karakitsios, V., Breugel, Y. van, Walsworth-Bell, B., Bombardiere, L., Petrizzo, M. R., Damsté, J. S. S. & Schouten, S. Organic-carbon deposition in the Cretaceous of the Ionian Basin, NW Greece: the Paquier Event (OAE 1b) revisited, 401
Erdtmann, B.-D., Egenhoff, S. O. & Maletz, J. Lower Ordovician graptolite biozonation and lithofacies of southern Bolivia: relevance for palaeogeographic interpretations, 287
The Eruption of Soufrière Hills Volcano, Montserrat, from 1995 to 1999 (R), 748
Ethiopia, 41
Eustatic sea-level, 605
Evolution, biological (R), 250, 389, 541
Exhumation, 63, 649
Extension, 141, 329, 471, 565, 617, 649

Famennian, 161, 173
Fan Wei-Ming, Zhou Xin-Hua, Zhai Ming-Guo, Zhang Hong-Fu, Sun Min & Zhou Mei-Fu. Highly heterogeneous Late Mesozoic lithospheric mantle beneath the North China Craton: evidence from Sr–Nd–Pb isotopic systematics of mafic igneous rocks, 55
Farrimond, P., Tyson, R. V., Jenkyns, H. C., Tsikos, H., Karakitsios, V., Breugel, Y. van, Walsworth-Bell, B., Bombardiere, L., Petrizzo, M. R., Damsté, J. S. S., Schouten, S., Erba, E. & Premoli Silva, I. Organic-carbon deposition in the Cretaceous of the Ionian Basin, NW Greece: the Paquier Event (OAE 1b) revisited, 401
Faults, 441
Fernández-Caliani, J. C., Barrenechea, J. F., Crespo, E., Luque, J., Fernández-Rodríguez, C., Rodas, M. & Díaz-Azpiroz, M. Significance of graphite occurrences in the Aracena Metamorphic Belt, Iberian Massif, 687
Fernández-Rodríguez, C., Rodas, M., Díaz-Azpiroz, M., Fernández-Caliani, J. C., Barrenechea, J. F., Crespo, E. & Luque, J. Significance of graphite occurrences in the Aracena Metamorphic Belt, Iberian Massif, 687
Finnmark, 301
Fish, 573
Fissures, 471
Flow, fluid, 441; gravity (R), 104; pyroclastic (R), 251; sedimentary (R), 542
Fluid flow, 441
Fluid inclusions, 417
Foraminifera, 379
Fossil wood, 319, 675
Fowler, M. B., Strachan, R. A., Greenwood, P. B. & Burns, I. M. Geochemistry, petrogenesis and structural setting of the meta-igneous Strathy Complex: a unique basement block within the Scottish Caledonides?, 209
Fracture and In-Situ Stress Characterization of Hydrocarbon Reservoirs (R), 252
France, 173; (R) 741
Frasnian, 173
Frisch, W., Vaida, M., Hann, H. P. & Sawatzki, G. Ordovician and Silurian protolith ages of metamorphosed clastic sedimentary rocks from the southern Schwarzwald, SW Germany: a palynological study and its bearing on the Early Palaeozoic geotectonic evolution, 629
Fulignati, P., Marianelli, P., Santacroce, R. & Sbrana, A. Probing the Vesuvius magma chamber–host rock interface through xenoliths, 417
A Future for Fossils (R), 749

Gabbro, 1
Galtier, J., Glasspool, I., Stevens, L., Hilton, J. & Wang Shi-Jun. An Upper Permian permineralized plant assemblage in volcaniclastic tuff from the Xuanwei Formation, Guizhou Province, southern China, and its palaeofloristic significance, 661
García-López, S., Sanz-López, J., Valín, M. L., Bastida, F. & Blanco-Ferrera, S. Transition from diagenesis to metamorphism in a calcareous tectonic unit of the Iberian Variscan belt (central massif of the Picos de Europa, NW Spain), 617
Gathogo, P. N., Haileab, B., Brown, F. H. & McDougall, I. Gombe Group basalts and initiation of Pliocene deposition in the Turkana depression, northern Kenya and southern Ethiopia, 41
Gayer, R. A., Beckinsale, R. D., Rice, A. H. N. & Ntaflos, T. Metadolerite geochronology and dolerite geochemistry from East Finnmark, northern Scandinavian Caledonides, 301
Gediz Graben, 63
Geochemistry, 81, 125, 301, 455, 583; (R) 245, 249
Geochemistry. An Introduction (R), 245
Geochronology, 1, 41, 225, 233, 301, 329
Geology and Paleontology of the Miocene Sinap Formation, Turkey (R), 249
Geology of the Country around Pwllheli. Memoir for 1:50 000 Geological Sheet 134 (England and Wales) (R), 247
Germany, 173, 629
Glacier-Induced Sedimentation on High-Latitude Continental Margins (R), 247
Glaciology (R), 104, 107, 247
Glasspool, I., Stevens, L., Hilton, J., Wang Shi-Jun & Galtier, J. An Upper Permian permineralized plant assemblage in volcaniclastic tuff from the Xuanwei Formation, Guizhou Province, southern China, and its palaeofloristic significance, 661
Gogin, I., Tolmacheva, T., Holmer, L. & Popov, L. Conodont biostratigraphy and faunal assemblages in radiolarian ribbon-banded cherts of the Burubaital Formation, West Balkhash Region, Kazakhstan, 699
Göksun ophiolite, 583
Gondwana (R), 394
Gourgaud, A., Sen, P. A. & Temel, A. Petrogenetic modelling of Quaternary post-collisional volcanism: a case study of central and eastern Anatolia, 81
Grampian Orogeny, 195
Granite, 225
Granulite facies, 649
Graphite, 687
Graptolites, 287, 735
Gravity current (R), 104
The Great Rift Valleys of Pangea in Eastern North America. Volume One: Tectonics, Structure, and Volcanism (R), 392
The Great Rift Valleys of Pangea in Eastern North America. Volume Two: Sedimentology, Stratigraphy, and Paleontology (R), 392
Greece, 401, 455
Greenland (R), 739
Greenwood, P. B., Burns, I. M., Fowler, M. B. & Strachan, R. A. Geochemistry, petrogenesis and structural setting of the meta-igneous Strathy Complex: a unique basement block within the Scottish Caledonides?, 209
Grenville Orogeny, 15, 209

Hadean (R), 394

Haileab, B., Brown, F. H., McDougall, I. & Gathogo, P. N. Gombe Group basalts and initiation of Pliocene deposition in the Turkana depression, northern Kenya and southern Ethiopia, 41
Handbook of Mineralogy. Volume V. Borates, Carbonates, Sulfates (R), 248
Hann, H. P., Sawatzki, G., Frisch, W. & Vaida, M. Ordovician and Silurian protolith ages of metamorphosed clastic sedimentary rocks from the southern Schwarzwald, SW Germany: a palynological study and its bearing on the Early Palaeozoic geotectonic evolution, 629
Hannigan, R. E., Draut, A. E., Clift, P. D., Chew, D. M., Cooper, M. J. & Taylor, R. N. Laurentian crustal recycling in the Ordovician Grampian Orogeny: Nd isotopic evidence from western Ireland, 195
Hatzipanagiotou, K., Pe-Piper, G. & Tsikouras, B. Evolution of boninites and island-arc tholeiites in the Pindos Ophiolite, Greece, 455
Hazards (R), 103
Head, M. J., De Schepper, S. & Louwye, S. Dinoflagellate cyst stratigraphy and palaeoecology of the Pliocene in northern Belgium, southern North Sea Basin, 353
Heterogeneity, 55
High pressure, 161
Hilton, J., Wang Shi-Jun, Galtier, J., Glasspool, I. & Stevens, L. An Upper Permian permineralized plant assemblage in volcaniclastic tuff from the Xuanwei Formation, Guizhou Province, southern China, and its palaeofloristic significance, 661
Hirnantia fauna, 605
History of geology (R), 108, 252, 390, 393, 740, 747
Höck, V., Kozlu, H., Delaloye, M. & Parlak, O. Oceanic crust generation in an island arc tectonic setting, SE Anatolian orogenic belt (Turkey), 583
Holmer, L., Popov, L., Gogin, I. & Tolmacheva, T. Conodont biostratigraphy and faunal assemblages in radiolarian ribbon-banded cherts of the Burubaital Formation, West Balkhash Region, Kazakhstan, 699
Holocene, 233
Hydrothermal alteration, 209

Iapetus Ocean, 195
Iberia, 687, 717
Ichnofossil, 429
Igneous petrology (R), 99
Igneous rocks (R), 99, 542
Ignimbrite (R), 251
Imaoka, T. & Itaya, T. K–Ar geochronology of a middle Miocene submarine volcano-plutonic complex in south-west Japan, 1
Impact craters (R), 246, 745
Impact Markers in the Stratigraphic Record (R), 745
Impacts in Precambrian Shields (R), 246
Inclusions, 525
International Handbook of Earthquake & Engineering Seismology (R), 744
Intraplate Strike-Slip Deformation Belts (R), 645
An Introduction to Environmental Chemistry, 2nd ed. (R), 748
An Introduction to Geological Structures and Maps , 7th ed. (R), 396
Isotopes, 55, 125, 401; argon, 1, 161, 329; carbon, 401; lead, 55, 225; neodymium, 55, 195, 225, 455, 545; oxygen, 401; potassium, 1; samarium, 225; strontium, 55, 233, 545; uranium, 225
Israel, 565
Italy, 417, 525; (R) 745
Itaya, T. & Imaoka, T. K–Ar geochronology of a middle Miocene submarine volcano-plutonic complex in south-west Japan, 1

Jämtland, 605
Japan Sea, 1
Jenkyns, H. C., Tsikos, H., Karakitsios, V., Breugel, Y. van, Walsworth-Bell, B., Bombardiere, L., Petrizzo, M. R., Damsté, J. S. S., Schouten, S., Erba, E., Premoli Silva, I., Farrimond, P. & Tyson, R. V. Organic-carbon deposition in the Cretaceous of the Ionian Basin, NW Greece: the Paquier Event (OAE 1b) revisited, 401
Jenkyns, H. C. & Wall, G. R. T. The age, origin and tectonic significance of Mesozoic sediment-filled fissures in the Mendip Hills (SW England): implications for extension models and Jurassic sea-level curves, 471
Jurassic, 115, 319, 455, 471, 717; (R) 392, 397, 739, 743
The Jurassic of Denmark and Greenland (R), 739

K isotopes, 1
K–Ar, 1
Karakitsios, V., Breugel, Y. van, Walsworth-Bell, B., Bombardiere, L., Petrizzo, M. R., Damsté, J. S. S., Schouten, S., Erba, E., Premoli Silva, I., Farrimond, P., Tyson, R. V., Jenkyns, H. C. & Tsikos, H. Organic-carbon deposition in the Cretaceous of the Ionian Basin, NW Greece: the Paquier Event (OAE 1b) revisited, 401
Kawashita, K., Thomaz-Filho, A., Cordani, U. G. & Mizusaki, A. M. Rb–Sr systematics of Holocene pelitic sediments and their bearing on whole-rock dating, 233
Kazakhstan, 699
Kellwasser, 173
Kendrick, M. A., Eide, E. A., Roberts, D. & Osmundsen, P. T. The Middle to Late Devonian Høybakken detachment, central Norway: ^{40}Ar–^{39}Ar evidence for prolonged late/post-Scandian extension and uplift, 329
Kenya, 41
Kimmeridgian, 717
Kozlu, H., Delaloye, M., Parlak, O. & Höck, V. Oceanic crust generation in an island arc tectonic setting, SE Anatolian orogenic belt (Turkey), 583
Kramm, U., Puchkov, V. N., Willner, A. P. & Wartho, J.-A. Laser $^{40}Ar/^{39}Ar$ ages of single detrital white mica grains related to the exhumation of Neoproterozoic and Late Devonian high pressure rocks in the Southern Urals (Russia), 161
Kuprin, V., Natapov, L., Macdonald, D., O'Leary, N., White, N., Tull, S. & Bashilov, V. Evolution of the Timan–Pechora and South Barents Sea basins, 141

Lake District (R), 108
Lake sediments (R), 106
Lampridiformes, 573
Lardeux, H., Meyer-Berthaud, B., Rücklin, M., Soria, A. & Belka, Z. Frasnian plants from the Dra Valley, southern Anti-Atlas, Morocco, 675
Laser ablation, 161
Laurentia, 195
Lebanon, 545
Li, W.-X., Liang, X.-R., Liu, Y., Li, X.-H., Liu, D. & Sun, M. Precise Sm–Nd and U–Pb isotopic dating of the supergiant Shizhuyuan polymetallic deposit and its host granite, SE China, 225
Li, X.-H., Liu, D., Sun, M., Li, W.-X., Liang, X.-R. & Liu, Y. Precise Sm–Nd and U–Pb isotopic dating of the supergiant

Shizhuyuan polymetallic deposit and its host granite, SE China, 225
Liang, X.-R., Liu, Y., Li, X.-H., Liu, D., Sun, M. & Li, W.-X. Precise Sm–Nd and U–Pb isotopic dating of the supergiant Shizhuyuan polymetallic deposit and its host granite, SE China, 225
Life on a Young Planet. The First Three Billion Years of Evolution on Earth (R), 250
Life's Solution. Inevitable Humans in a Lonely Universe (R), 541
Lithosphere, 141
Lithostratigraphy, 629
Liu, D., Sun, M., Li, W.-X., Liang, X.-R., Liu, Y. & Li, X.-H. Precise Sm–Nd and U–Pb isotopic dating of the supergiant Shizhuyuan polymetallic deposit and its host granite, SE China, 225
Liu, Y., Li, X.-H., Liu, D., Sun, M., Li, W.-X. & Liang, X.-R. Precise Sm–Nd and U–Pb isotopic dating of the supergiant Shizhuyuan polymetallic deposit and its host granite, SE China, 225
Löfgren, A. The conodont fauna in the Middle Ordovician *Eoplacognathus pseudoplanus* Zone of Baltoscandia, 505
Louwye, S., Head, M. J. & De Schepper, S. Dinoflagellate cyst stratigraphy and palaeoecology of the Pliocene in northern Belgium, southern North Sea Basin, 353
Luque, J., Fernández-Rodriguez, C., Rodas, M., Díaz-Azpiroz, M., Fernández-Caliani, J. C., Barrenechea, J. F. & Crespo, E. Significance of graphite occurrences in the Aracena Metamorphic Belt, Iberian Massif, 687
Lutat, P., Buffetaut, E., Cavin, L., Cuny, G., Barale, G., Philippe, M. & Suteethorn, V. Stratigraphical and palaeobiogeographical significance of fossil wood from the Mesozoic Khorat Group of Thailand, 319

Macdonald, D., O'Leary, N., White, N., Tull, S., Bashilov, V., Kuprin, V. & Natapov, L. Evolution of the Timan–Pechora and South Barents Sea basins, 141
Magma (R), 99; chamber, 417; transport, 525
Magmatic underplating, 345
Maine, 125
Maletz, J., Erdtmann, B.-D. & Egenhoff, S. O. Lower Ordovician graptolite biozonation and lithofacies of southern Bolvia: relevance for palaeogeographic interpretations, 287
Mantle Plumes and Their Record in Earth History (R), 100
Mantle, 55; (R) 100
Mapping, geological (R), 250, 396
Marianelli, P., Santacroce, R., Sbrana, A. & Fulignati, P. Probing the Vesuvius magma chamber–host rock interface through xenoliths, 417
Mass extinction, 173
McDougall, I., Gathogo, P. N., Haileab, B. & Brown, F. H. Gombe Group basalts and initiation of Pliocene deposition in the Turkana depression, northern Kenya and southern Ethiopia, 41
Melange, 257
Melt inclusions, 417
Melts, 525
Memoirs of William Smith Ll.D., author of the "Map of the Strata of England and Wales" by his nephew and pupil John Phillips, F.R.S., F.G.S., first published in 1844 (R), 393
Menderes Massif, 63
Mendip Hills, 471
Mersin Melange, 257
Mesozoic, 55
Metamorphic Rocks and Their Geodynamic Significance. A Petrological Handbook (R), 646
Metamorphism, 617, 649, 687; (R) 646
Metasomatism, 417
Meyer-Berthaud, B., Rücklin, M., Soria, A., Belka, Z. & Lardeux, H. Frasnian plants from the Dra Valley, southern Anti-Atlas, Morocco, 675
Milestones in Systematics (R), 746
Mind Over Magma. The Story of Igneous Petrology (R), 99
Mineralogy (R), 248, 743
Miocene, 1, 573; (R) 249
Mizusaki, A. M., Kawashita, K., Thomaz-Filho, A. & Cordani, U. G. Rb–Sr systematics of Holocene pelitic sediments and their bearing on whole-rock dating, 233
Modern & Past Glacial Environments (R), 107
Modern and Ancient Carbonate Eolianites: Sedimentology, Sequence Stratigraphy, and Diagenesis (R), 101
Moine Supergroup, 209
Molecular clocks (R), 389
Montserrat (R), 748
Morocco, 675
Moyne, S. & Neige, P. Cladistic analysis of the Middle Jurassic ammonite radiation, 115
Murchison's Wanderings in Russia. His Geological Exploration of Russia in Europe and the Ural Mountains, 1840 and 1841 (R), 740

Nassar, P. E. & Abdel-Rahman, A.-F. M. Cenozoic volcanism in the Middle East: petrogenesis of alkali basalts from northern Lebanon, 545
Natapov, L., Macdonald, D., O'Leary, N., White, N., Tull, S., Bashilov, V. & Kuprin, V. Evolution of the Timan–Pechora and South Barents Sea basins, 141
Natural and Laboratory-Simulated Thermal Geochemical Processes (R), 249
Nazik, A. Planktonic foraminiferal biostratigraphy of the Neogene sequence in the Adana Basin, Turkey, and its correlation with standard biozones, 379
Nd isotopes, 55, 195, 225, 455, 545
Nd–Sr, 545
Needham, D. T. Deformation in Moffat Shale detachment zones in the western part of the Scottish Southern Uplands, 441
Neige, P. & Moyne, S. Cladistic analysis of the Middle Jurassic ammonite radiation, 115
Neogene, 379
Neotethys, 583
Neptunian dykes, 471
The New Science of Geology. Studies in the Earth Sciences in the Age of Revolution (R), 747
Nikogosian, I. & Zanon, V. Evidence of crustal melting events below the island of Salina (Aeolian arc, southern Italy), 525
Normal faulting, 63
North America (R), 392
The North Atlantic Igneous Province: Stratigraphy, Tectonic, Volcanic and Magmatic Processes (R), 106
North Sea, 353
Norway, 329
Ntaflos, T., Gayer, R. A., Beckinsale, R. D. & Rice, A. H. N. Metadolerite geochronology and dolerite geochemistry from East Finnmark, northern Scandinavian Caledonides, 301

O isotopes, 401
Ocean basins, 629
Ocean-island basalt, 455

The Official Guide to the Jurassic Coast. Dorset and East Devon's World Heritage Coast. A Walk Through Time (R), 743
O'Leary, N., White, N., Tull, S., Bashilov, V., Kuprin, V., Natapov, L. & Macdonald, D. Evolution of the Timan–Pechora and South Barents Sea basins, 141
Ophiolite, 257, 455, 583; (R) 390, 741
Ophiolite Concept and the Evolution of Geological Thought (R), 390
Ophiolites in Earth History (R), 741
Ordovician, 125, 287, 505, 605, 629, 699, 735
Ore deposits, 225
Osmundsen, P. T., Kendrick, M. A., Eide, E. A. & Roberts, D. The Middle to Late Devonian Høybakken detachment, central Norway: ^{40}Ar–^{39}Ar evidence for prolonged late/post-Scandian extension and uplift, 329

Palaeobiogeography, 319
Palaeobotany, 661, 675
Palaeoenvironmental change, 429
Palaeomagnetism, 15
Palaeontology (R), 746, 749
Paleogene, 345
Palynology, 353, 629
Pan-African Orogeny, 649
Paquier Event, 401
Parlak, O., Höck, V., Kozlu, H. & Delaloye, M. Oceanic crust generation in an island arc tectonic setting, SE Anatolian orogenic belt (Turkey), 583
Parlak, O. & Robertson, A. The ophiolite-related Mersin Melange, southern Turkey: its role in the tectonic–sedimentary setting of Tethys in the Eastern Mediterranean region, 257
Particulate Gravity Currents (R), 104
Pb isotopes, 55, 225
Pelitic sediments, 233
Pe-Piper, G., Tsikouras, B. & Hatzipanagiotou, K. Evolution of boninites and island-arc tholeiites in the Pindos Ophiolite, Greece, 455
Permian, 661; (R) 542
Petrizzo, M. R., Damsté, J. S. S., Schouten, S., Erba, E., Premoli Silva, I., Farrimond, P., Tyson, R. V., Jenkyns, H. C., Tsikos, H., Karakitsios, V., Breugel, Y. van, Walsworth-Bell, B. & Bombardiere, L. Organic-carbon deposition in the Cretaceous of the Ionian Basin, NW Greece: the Paquier Event (OAE 1b) revisited, 401
Petrogenesis, 545
Petroleum geology (R), 251, 252, 749
Petroleum Geology of Africa: New Themes and Developing Technologies (R), 749
Petroleum Geoscience (R), 251
Petrology (R), 646
Phengite, 161
Philippe, M., Suteethorn, V., Lutat, P., Buffetaut, E., Cavin, L., Cuny, G. & Barale, G. Stratigraphical and palaeobiogeographical significance of fossil wood from the Mesozoic Khorat Group of Thailand, 319
Phylogeny, 115
Picos de Europa, 617
Pindos Ophiolite, 455
Piper, J. D. A. & Darabi, M. H. Palaeomagnetism of the (Late Mesoproterozoic) Stoer Group, northwest Scotland: implications for the diagenesis, age and relationship to the Grenville Orogeny, 15
Planetary geology (R), 104
Plate tectonics, 629
Pleistocene, 565
Pliocene, 63, 353, 545
Plume, mantle (R), 100
Plutonic rocks 1, (R), 99, 106, 542
Poland, 173
Popov, L., Gogin, I., Tolmacheva, T. & Holmer, L. Conodont biostratigraphy and faunal assemblages in radiolarian ribbon-banded cherts of the Burubaital Formation, West Balkhash Region, Kazakhstan, 699
Precambrian shields (R), 246
Premoli Silva, I., Farrimond, P., Tyson, R. V., Jenkyns, H. C., Tsikos, H., Karakitsios, V., Breugel, Y. van, Walsworth-Bell, B., Bombardiere, L., Petrizzo, M. R., Damsté, J. S. S., Schouten, S. & Erba, E. Organic-carbon deposition in the Cretaceous of the Ionian Basin, NW Greece: the Paquier Event (OAE 1b) revisited, 401
Principles of Stratigraphy (R), 646
Proterozoic, 15, 161; (R) 394
Proterozoic East Gondwana: Supercontinent Assembly and Breakup (R), 394
P–T–t path, 649, 687
Puchkov, V. N., Willner, A. P., Wartho, J.-A. & Kramm, U. Laser $^{40}Ar/^{39}Ar$ ages of single detrital white mica grains related to the exhumation of Neoproterozoic and Late Devonian high pressure rocks in the Southern Urals (Russia), 161
Pull-apart basins, 565
Pyroclastic Density Currents and the Sedimentation of Ignimbrites (R), 251

Quaternary, 81

Racki, G., Bond, D. & Wignall, P. B. Extent and duration of marine anoxia during the Frasnian–Famennian (Late Devonian) mass extinction in Poland, Germany, Austria and France, 173
Radiolarites, 699
Rb isotopes, 233
Rb–Sr, 233
Regional geology (R), 247, 396, 739, 743
Ribbonfish, 573
Rice, A. H. N., Ntaflos, T., Gayer, R. A. & Beckinsale, R. D. Metadolerite geochronology and dolerite geochemistry from East Finnmark, northern Scandinavian Caledonides, 301
Rickards, R. B. The significance of the graptoloid *Amphigraptus divergens* from the (mid-Rawtheyan) type section of the Ashgill Series, Ordovician, 735
Rift valleys (R), 392, 395
Rifted margins (R), 107
Roberts, D., Osmundsen, P. T., Kendrick, M. A. & Eide, E. A. The Middle to Late Devonian Høybakken detachment, central Norway: ^{40}Ar–^{39}Ar evidence for prolonged late/post-Scandian extension and uplift, 329
Robertson, A. & Parlak, O. The ophiolite-related Mersin Melange, southern Turkey: its role in the tectonic–sedimentary setting of Tethys in the Eastern Mediterranean region, 257
Rodas, M., Díaz-Azpiroz, M., Fernández-Caliani, J. C., Barrenechea, J. F., Crespo, E., Luque, J. & Fernández-Rodríguez, C. Significance of graphite occurrences in the Aracena Metamorphic Belt, Iberian Massif, 687
Rodríguez-Tovar, F. J. & Uchman, A. Trace fossils after the K–T boundary event from the Agost section, SE Spain, 429

Rücklin, M., Soria, A., Belka, Z., Lardeux, H. & Meyer-Berthaud, B. Frasnian plants from the Dra Valley, southern Anti-Atlas, Morocco, 675
Russia, 141; (R) 740

Sagy, A. & Bartov, Y. Late Pleistocene extension and strike-slip in the Dead Sea Basin, 565
Salina Island, 525
Santacroce, R., Sbrana, A., Fulignati, P. & Marianelli, P. Probing the Vesuvius magma chamber–host rock interface through xenoliths, 417
Sanz-López, J., Valín, M. L., Bastida, F., Blanco-Ferrera, S. & García-López, S. Transition from diagenesis to metamorphism in a calcareous tectonic unit of the Iberian Variscan belt (central massif of the Picos de Europa, NW Spain), 617
Sawatzki, G., Frisch, W., Vaida, M. & Hann, H. P. Ordovician and Silurian protolith ages of metamorphosed clastic sedimentary rocks from the southern Schwarzwald, SW Germany: a palynological study and its bearing on the Early Palaeozoic geotectonic evolution, 629
Sbrana, A., Fulignati, P., Marianelli, P. & Santacroce, R. Probing the Vesuvius magma chamber–host rock interface through xenoliths, 417
Scandinavia, 301
Schouten, S., Erba, E., Premoli Silva, I., Farrimond, P., Tyson, R. V., Jenkyns, H. C., Tsikos, H., Karakitsios, V., Breugel, Y. van, Walsworth-Bell, B., Bombardiere, L., Petrizzo, M. R. & Damsté, J. S. S. Organic-carbon deposition in the Cretaceous of the Ionian Basin, NW Greece: the Paquier Event (OAE 1b) revisited, 401
Scotland, 15, 209, 345, 441; (R) 102, 105, 252, 393, 397, 542
Sea-level changes, 471, 605, 717
Sedimentary dykes, 471
Sedimentation in Continental Rifts (R), 395
Sedimentology (R), 101, 103, 104, 106, 107, 247, 248, 395, 542, 742
Sediments, glacial (R), 247
The Seismic Wavefield. Volume I: Introduction and Theoretical Development (R), 100
The Seismic Wavefield. Volume II: Interpretation of Seismograms on Regional and Global Scales (R), 100
Seismology (R), 100, 245, 744
Sen, P. A., Temel, A. & Gourgaud, A. Petrogenetic modelling of Quaternary post-collisional volcanism: a case study of central and eastern Anatolia, 81
Sequence stratigraphy, 717
Silicate melts, 55
Silurian, 629; (R) 105
Skarn, 417
Sm isotopes, 225
Sm–Nd, 225
Soria, A., Belka, Z., Lardeux, H., Meyer-Berthaud, B. & Rücklin, M. Frasnian plants from the Dra Valley, southern Anti-Atlas, Morocco, 675
Soufrière Hills (R), 748
South America, 287
South China Block, 225
Southern Uplands, 441
Southern Urals, 161
Sözbilir, H. & Bozkurt, E. Tectonic evolution of the Gediz Graben: field evidence for an episodic, two-stage extension in western Turkey, 63
Spain, 429, 617, 687, 717
Sr isotopes, 55, 233, 545
Stevens, L., Hilton, J., Wang Shi-Jun, Galtier, J. & Glasspool, I. An Upper Permian permineralized plant assemblage in volcaniclastic tuff from the Xuanwei Formation, Guizhou Province, southern China, and its palaeofloristic significance, 661
Stoer Group, 15
Storm deposition, 605
Strachan, R. A., Greenwood, P. B., Burns, I. M. & Fowler, M. B. Geochemistry, petrogenesis and structural setting of the meta-igneous Strathy Complex: a unique basement block within the Scottish Caledonides?, 209
Strain rate, 141
Stratigraphy, 401; litho-, 629; (R) 102, 105, 397, 646
Strike-slip faults, 565
Subduction zones, 583
Subsurface Sediment Mobilization (R), 542
Sun Min, Zhou Mei-Fu, Fan Wei-Ming, Zhou Xin-Hua, Zhai Ming-Guo & Zhang Hong-Fu. Highly heterogeneous Late Mesozoic lithospheric mantle beneath the North China Craton: evidence from Sr–Nd–Pb isotopic systematics of mafic igneous rocks, 55
Sun, M., Li, W.-X., Liang, X.-R., Liu, Y., Li, X.-H. & Liu, D. Precise Sm–Nd and U–Pb isotopic dating of the supergiant Shizhuyuan polymetallic deposit and its host granite, SE China, 225
Suteethorn, V., Lutat, P., Buffetaut, E., Cavin, L., Cuny, G., Barale, G. & Philippe, M. Stratigraphical and palaeobiogeographical significance of fossil wood from the Mesozoic Khorat Group of Thailand, 319
Sweden, 505, 605
Systematics (R), 746

Taylor, R. N., Hannigan, R. E., Draut, A. E., Clift, P. D., Chew, D. M. & Cooper, M. J. Laurentian crustal recycling in the Ordovician Grampian Orogeny: Nd isotopic evidence from western Ireland, 195
Techniques in Archaeological Geology (R), 391
Tectonic deformation (R), 248
Tectonics, 41; (R) 394
Teleostei, 573
Telling the Evolutionary Time. Molecular Clocks and the Fossil Record (R), 389
Telychian Rocks of the British Isles and China (Silurian, Llandovery Series) (R), 105
Temel, A., Gourgaud, A. & Sen, P. A. Petrogenetic modelling of Quaternary post-collisional volcanism: a case study of central and eastern Anatolia, 81
Tethys, 257
Thailand, 319
Thermal processes (R), 249
Thermochronology, 329
Thomaz-Filho, A., Cordani, U. G., Mizusaki, A. M. & Kawashita, K. Rb–Sr systematics of Holocene pelitic sediments and their bearing on whole-rock dating, 233
Tiley, R., White, N. & Al-Kindi, S. Linking Paleogene denudation and magmatic underplating beneath the British Isles, 345
Timan–Pechora Basin, 141, 301
To See the Fellows Fight. Eye Witness Accounts of Meetings of the Geological Society of London and its Club (R), 393
Tolmacheva, T., Holmer, L., Popov, L. & Gogin, I. Conodont biostratigraphy and faunal assemblages in radiolarian ribbon-banded cherts of the Burubaital Formation, West Balkhash Region, Kazakhstan, 699
Tomascak, P. B., West, D. P., Jr & Coish, R. A. Tectonic setting and regional correlation of Ordovician metavolcanic rocks

of the Casco Bay Group, Maine: evidence from trace element and isotope geochemistry, 125
Torridonian Supergroup, 15
Trace fossil, 429
Trachipterus mauritanicus sp. nov., 573
Tracing Tectonic Deformation Using the Sedimentary Record (R), 248
Transtension, 545
A Traveler's Guide to the Geology of Egypt (R), 396
Triassic, 471; (R) 392
Tsikos, H., Karakitsios, V., Breugel, Y. van, Walsworth-Bell, B., Bombardiere, L., Petrizzo, M. R., Damsté, J. S. S., Schouten, S., Erba, E., Premoli Silva, I., Farrimond, P. Tyson, R. V. & Jenkyns, H. C. Organic-carbon deposition in the Cretaceous of the Ionian Basin, NW Greece: the Paquier Event (OAE 1b) revisited, 401
Tsikouras, B., Hatzipanagiotou, K. & Pe-Piper, G. Evolution of boninites and island-arc tholeiites in the Pindos Ophiolite, Greece, 455
Tsunami: The Underrated Hazard (R), 103
Tull, S., Bashilov, V., Kuprin, V., Natapov, L., Macdonald, D., O'Leary, N. & White, N. Evolution of the Timan–Pechora and South Barents Sea basins, 141
Turbidite (R), 741
Turkey, 63, 81, 257, 379, 583; (R) 249
Tyson, R. V., Jenkyns, H. C., Tsikos, H., Karakitsios, V., Breugel, Y. van, Walsworth-Bell, B., Bombardiere, L., Petrizzo, M. R., Damsté, J. S. S., Schouten, S., Erba, E., Premoli Silva, I. & Farrimond, P. Organiccarbon deposition in the Cretaceous of the Ionian Basin, NW Greece: the Paquier Event (OAE 1b) revisited, 401

U isotopes, 225
Uchman, A. & Rodríguez-Tovar, F. J. Trace fossils after the K–T boundary event from the Agost section, SE Spain, 429
United Kingdom, 15, 209, 345, 441, 471; (R) 99, 102, 105, 108, 542, 743
U–Pb, 225
Urals, 161
USA, 125; (R) 392

Vaida, M., Hann, H. P., Sawatzki, G. & Frisch, W. Ordovician and Silurian protolith ages of metamorphosed clastic sedimentary rocks from the southern Schwarzwald, SW Germany: a palynological study and its bearing on the Early Palaeozoic geotectonic evolution, 629
Valín, M. L., Bastida, F., Blanco-Ferrera, S., García-López, S. & Sanz-López, J. Transition from diagenesis to metamorphism in a calcareous tectonic unit of the Iberian Variscan belt (central massif of the Picos de Europa, NW Spain), 617
Variscan, 617
Vendian, 161
Vertebrate palaeontology (R), 249
Vesuvius, 417
Volcanic Rifted Margins (R), 107
Volcanic rocks, 1, 41, 125, 209; (R) 104, 106, 107, 251
Volcaniclastic deposits, 661; (R) 106
Volcaniclastic Sedimentation in Lacustrine Settings (R), 106
Volcanism, 81, 545
Volcano (R), 104, 745, 748
Volcanoes of Southern Italy (R), 745
Volcano–Ice Interaction on Earth and Mars (R), 104

Wales (R), 105, 247, 393, 542
Wall, G. R. T. & Jenkyns, H. C. The age, origin and tectonic significance of Mesozoic sediment-filled fissures in the Mendip Hills (SW England): implications for extension models and Jurassic sea-level curves, 471
Walsworth-Bell, B., Bombardiere, L., Petrizzo, M. R., Damsté, J. S. S., Schouten, S., Erba, E., Premoli Silva, I., Farrimond, P., Tyson, R. V., Jenkyns, H. C., Tsikos, H., Karakitsios, V. & Breugel, Y. van. Organic-carbon deposition in the Cretaceous of the Ionian Basin, NW Greece: the Paquier Event (OAE 1b) revisited, 401
Wang Shi-Jun, Galtier, J., Glasspool, I., Stevens, L. & Hilton, J. An Upper Permian permineralized plant assemblage in volcaniclastic tuff from the Xuanwei Formation, Guizhou Province, southern China, and its palaeofloristic significance, 661
Wartho, J.-A., Kramm, U., Puchkov, V. N. & Willner, A. P. Laser $^{40}Ar/^{39}Ar$ ages of single detrital white mica grains related to the exhumation of Neoproterozoic and Late Devonian high pressure rocks in the Southern Urals (Russia), 161
West, D. P., Jr, Coish, R. A. & Tomascak, P. B. Tectonic setting and regional correlation of Ordovician metavolcanic rocks of the Casco Bay Group, Maine: evidence from trace element and isotope geochemistry, 125
White, N., Al-Kindi, S. & Tiley, R. Linking Paleogene denudation and magmatic underplating beneath the British Isles, 345
White, N., Tull, S., Bashilov, V., Kuprin, V., Natapov, L., Macdonald, D. & O'Leary, N. Evolution of the Timan–Pechora and South Barents Sea basins, 141
Whole-rock dating, 233
Wignall, P. B., Racki, G. & Bond, D. Extent and duration of marine anoxia during the Frasnian–Famennian (Late Devonian) mass extinction in Poland, Germany, Austria and France, 173
William Smith's 1815 Geological Map of England and Wales with Part of Scotland (reproduction) (R), 393
Willner, A. P., Wartho, J.-A., Kramm, U. & Puchkov, V. N. Laser $^{40}Ar/^{39}Ar$ ages of single detrital white mica grains related to the exhumation of Neoproterozoic and Late Devonian high pressure rocks in the Southern Urals (Russia), 161
Wood, fossil, 319, 675

Zanon, V. & Nikogosian, I. Evidence of crustal melting events below the island of Salina (Aeolian arc, southern Italy), 525
Zhai Ming-Guo, Zhang Hong-Fu, Sun Min, Zhou Mei-Fu, Fan Wei-Ming & Zhou Xin-Hua. Highly heterogeneous Late Mesozoic lithospheric mantle beneath the North China Craton: evidence from Sr–Nd–Pb isotopic systematics of mafic igneous rocks, 55
Zhang Hong-Fu, Sun Min, Zhou Mei-Fu, Fan Wei-Ming, Zhou Xin-Hua & Zhai Ming-Guo. Highly heterogeneous Late Mesozoic lithospheric mantle beneath the North China Craton: evidence from Sr–Nd–Pb isotopic systematics of mafic igneous rocks, 55
Zhou Mei-Fu, Fan Wei-Ming, Zhou Xin-Hua, Zhai Ming-Guo, Zhang Hong-Fu & Sun Min. Highly heterogeneous Late Mesozoic lithospheric mantle beneath the North China Craton: evidence from Sr–Nd–Pb isotopic systematics of mafic igneous rocks, 55
Zhou Xin-Hua, Zhai Ming-Guo, Zhang Hong-Fu, Sun Min, Zhou Mei-Fu & Fan Wei-Ming. Highly heterogeneous Late Mesozoic lithospheric mantle beneath the North China Craton: evidence from Sr–Nd–Pb isotopic systematics of mafic igneous rocks, 55